



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shuping Tong et al.

Art Unit : 1648

Serial No. : 09/818,066

Examiner : Zachariah Lucas

Filed : March 27, 2001

Title : HEPADNAVIRUS PRE-S PROTEIN FRAGMENTS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

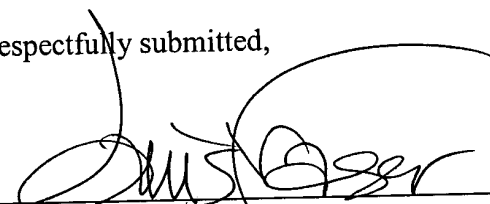
Copies of the references listed on the attached form PTO-1449 are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This filing is being made with the filing of a Request for Continued Examination.

Accordingly, no fee is believed to be due.

Respectfully submitted,

Date: Oct. 9, 2003

  
Janis K. Fraser, Ph.D., J.D.  
Reg. No. 34,819

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

20734810.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

October 9, 2003  
Date of Deposit

Jennifer L. Hess  
Signature

Jennifer L. Hess  
Typed or Printed Name of Person Signing Certificate

Substitute Form PTO-1449 (Modified) <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR § 1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. <b>00786-287004</b>	Application No. <b>09/818,066</b>
	Applicant <b>Shuping Tong et al.</b>			
	Filing Date <b>March 27, 2001</b>		Group Art Unit <b>1648</b>	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,675,285	06/23/87	Clark et al.			
	AB	5,145,775	09/08/92	Yamada et al.			
	AC	5,149,781	09/22/92	Blaudin de The et al.			
	AD						
	AE						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AF							
	AG							
	AH							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AI	Klingmuller et al. "Hepadnavirus Infection Requires Interaction between the Viral Pre-S Domain and a Specific Hepatocellular Receptor." <i>Journal of Virology</i> . December 1993, Vol. 67, No. 12, pages 7414-7422.
	AJ	Neurath et al. "Detection of Receptors for Hepatitis B Virus on Cells of Extrahepatic Origin." <i>Virology</i> . 1990, Vol. 176, pages 448-457.
	AK	Pugh et al., "Characterization of a Pre-S polypeptide on the Surfaces of Infectious Avian Hepadnavirus Particles." <i>Journal of Virology</i> . May 1987, Vol. 61, No. 5, pages 1384-1390.
	AL	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	